

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
29	630	(Naoki\$ near\$ Yoshida\$) .in.	US-PG&L&B; USPAT; USOCR, FPRS; EPO, JPO; DERWENT; IBM_TDB	OR	ON	2009/12/15 11:13
30	16	29 and (drum\$)	US-PG&L&B; USPAT; USOCR, FPRS; EPO, JPO; DERWENT; IBM_TDB	OR	ON	2009/12/15 11:13
31	3	29 and (drum\$ and coefficient\$)	US-PG&L&B; USPAT; USOCR, FPRS; EPO, JPO; DERWENT; IBM_TDB	OR	ON	2009/12/15 11:14
32	3	29 and (drum\$ and coefficient\$ and friction\$)	US-PG&L&B; USPAT; USOCR, FPRS; EPO, JPO; DERWENT; IBM_TDB	OR	ON	2009/12/15 11:14
33	1	29 and (drum\$ and coefficient\$ and friction\$ and slip\$)	US-PG&L&B; USPAT; USOCR, FPRS; EPO, JPO; DERWENT; IBM_TDB	OR	ON	2009/12/15 11:15
34	7	29 and ((drum\$).clm.)	US-PG&L&B; USPAT; USOCR, FPRS; EPO, JPO; DERWENT; IBM_TDB	OR	ON	2009/12/15 11:15
35	1	29 and ((drum\$ and coefficient\$).clm.)	US-PG&L&B; USPAT; USOCR, FPRS; EPO, JPO; DERWENT; IBM_TDB	OR	ON	2009/12/15 11:16
36	7	29 and (drum\$ and dreted\$)	US-PG&L&B; USPAT; USOCR, FPRS; EPO, JPO; DERWENT; IBM_TDB	OR	ON	2009/12/15 11:16

S7	1	29 and (drum\$5 and defect\$3 and slip\$3)	US-PG-PUB; USPAT; USOCR, FPPS; EPO, JPO; DERWENT; IBM_TDB	OR	ON	2009/12/15 11:17
S1	225	friction\$5 near\$ carrier\$3 near\$ drum\$5	US-PG-PUB; USPAT; USOCR, FPPS; EPO, JPO; DERWENT; IBM_TDB	OR	ON	2009/12/11 17:50
S2	20611	auxiliar\$5 near\$ carrier\$5	US-PG-PUB; USPAT; USOCR, FPPS; EPO, JPO; DERWENT; IBM_TDB	OR	ON	2009/12/11 17:50
S3	10	S1 and S2	US-PG-PUB; USPAT; USOCR, FPPS; EPO, JPO; DERWENT; IBM_TDB	OR	ON	2009/12/11 17:50
S4	721365	drum\$5	US-PG-PUB; USPAT; USOCR, FPPS; EPO, JPO; DERWENT; IBM_TDB	OR	ON	2009/12/11 17:51
S5	906664	slip\$5	US-PG-PUB; USPAT; USOCR, FPPS; EPO, JPO; DERWENT; IBM_TDB	OR	ON	2009/12/11 17:51
S6	86990	S4 and S5	US-PG-PUB; USPAT; USOCR, FPPS; EPO, JPO; DERWENT; IBM_TDB	OR	ON	2009/12/11 17:51
S7	1367872	friction\$5	US-PG-PUB; USPAT; USOCR, FPPS; EPO, JPO; DERWENT; IBM_TDB	OR	ON	2009/12/11 17:52
S8	906373	coefficient\$5	US-PG-PUB; USPAT; USOCR, FPPS; EPO, JPO; DERWENT; IBM_TDB	OR	ON	2009/12/11 17:52
S9	3513152	ratio\$5	US-PG-PUB; USPAT; USOCR, FPPS; EPO, JPO; DERWENT; IBM_TDB	OR	ON	2009/12/11 17:52

S10	30072	S4 and S5 and S7	US-PG-PUB; USPAT; USOCR-FPRS; EPO-JPO; DERWENT; IBM_TDB	OR	ON	2009/12/11 17:52
S11	6102	S4 and S5 and S7 and S8	US-PG-PUB; USPAT; USOCR-FPRS; EPO-JPO; DERWENT; IBM_TDB	OR	ON	2009/12/11 17:53
S12	3440	S4 and S5 and S7 and S8 and S9	US-PG-PUB; USPAT; USOCR-FPRS; EPO-JPO; DERWENT; IBM_TDB	OR	ON	2009/12/11 17:53
S13	9933	S7 same S8 same S9	US-PG-PUB; USPAT; USOCR-FPRS; EPO-JPO; DERWENT; IBM_TDB	OR	ON	2009/12/11 17:53
S14	376	S7 same S8 same S9 same S4	US-PG-PUB; USPAT; USOCR-FPRS; EPO-JPO; DERWENT; IBM_TDB	OR	ON	2009/12/11 17:54
S15	64	S7 same S8 same S9 same S4 same S5	US-PG-PUB; USPAT; USOCR-FPRS; EPO-JPO; DERWENT; IBM_TDB	OR	ON	2009/12/11 17:54
S16	7127844	medium\$3 or paper\$3 or film\$3	US-PG-PUB; USPAT; USOCR-FPRS; EPO-JPO; DERWENT; IBM_TDB	OR	ON	2009/12/11 17:55
S17	17	S7 same S8 same S9 same S4 same S5 same S16	US-PG-PUB; USPAT; USOCR-FPRS; EPO-JPO; DERWENT; IBM_TDB	OR	ON	2009/12/11 17:56
S18	2584	S4 and S5 and S7 and S8 and S9 and S16	US-PG-PUB; USPAT; USOCR-FPRS; EPO-JPO; DERWENT; IBM_TDB	OR	ON	2009/12/11 17:56
S19	395	S4 and S5 and (S7 same S8 same S9) and S16	US-PG-PUB; USPAT; USOCR-FPRS; EPO-JPO; DERWENT; IBM_TDB	OR	ON	2009/12/11 17:57

S20	18578	drum\$5 and thermal\$5 and (carrier\$5 or feed\$4) and (detector\$5 or detect\$5)	US:RPLB; USPAT; USOCR:FPFS; EPO:JPO; DERWENT; IBM_TDB	OR	ON	2009/12/11 18:00
S21	39796	drum\$5 and (thermal\$5 or heat\$3) and (carrier\$5 or feed\$4) and (detector\$5 or detect\$5)	US:RPLB; USPAT; USOCR:FPFS; EPO:JPO; DERWENT; IBM_TDB	OR	ON	2009/12/11 18:01
S22	6120	drum\$5 and (thermal\$5 or heat\$3) and (carrier\$5 or feed\$4) and (detector\$5 or detect\$5) and (slip\$5)	US:RPLB; USPAT; USOCR:FPFS; EPO:JPO; DERWENT; IBM_TDB	OR	ON	2009/12/11 18:02
S23	99	drum\$5 and (thermal\$5 or heat\$3) and (carrier\$5 or feed\$4) and (detector\$5 or detect\$5) and (slip\$5) and (tension\$5 same ribbon\$5)	US:RPLB; USPAT; USOCR:FPFS; EPO:JPO; DERWENT; IBM_TDB	OR	ON	2009/12/11 18:02
S24	15	drum\$5 and (thermal\$5 or heat\$3) and (carrier\$5 or feed\$4) and (detector\$5 or detect\$5) and (slip\$5) and (tension\$5 same ribbon\$5) and ((heat\$3 or thermal\$5) same (slip\$5))	US:RPLB; USPAT; USOCR:FPFS; EPO:JPO; DERWENT; IBM_TDB	OR	ON	2009/12/11 18:05
S25	35057	368'1.1.1.9.1.5.1.2.1.3.1.4.1.6.1.7.1.8.1.12.1.15.1.13.1.14.1.16.1.17.1.18.296.3.29.1.11.407.468.468.490.489).OCL.S	US:RPLB; USPAT; USOCR:FPFS; EPO:JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/14 19:02
S26	5057	399'1.2.299.303.304.305.328.330.331).OCL.S	US:RPLB; USPAT; USOCR:FPFS; EPO:JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/14 19:03
S27	6766	347/171,172,166,191,2,3,5,14,23).OCL.S	US:RPLB; USPAT; USOCR:FPFS; EPO:JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/14 19:03
S28	46166	S25 or S26 or S27	US:RPLB; USPAT; USOCR:FPFS; EPO:JPO; DERWENT; IBM_TDB	OR	ON	2009/12/14 19:04
S29	225	friction\$5 near5 carrier\$3 near5 drum\$5	US:RPLB; USPAT; USOCR:FPFS; EPO:JPO; DERWENT; IBM_TDB	OR	ON	2009/12/14 19:04

S30	4	S28 and S29	US-PG-PUB; USPAT; USCOR, FPRS; EPO, JPO; DERWENT; IBM_TDB	OR	ON	2009/12/14 19:04
S31	20513	auxiliar\$5 near\$ carrier\$5	US-PG-PUB; USPAT; USCOR, FPRS; EPO, JPO; DERWENT; IBM_TDB	OR	ON	2009/12/14 19:05
S32	29	S28 and S31	US-PG-PUB; USPAT; USCOR, FPRS; EPO, JPO; DERWENT; IBM_TDB	OR	ON	2009/12/14 19:05
S33	10	S29 and S31	US-PG-PUB; USPAT; USCOR, FPRS; EPO, JPO; DERWENT; IBM_TDB	OR	ON	2009/12/14 19:05
S34	1	S28 and S33	US-PG-PUB; USPAT; USCOR, FPRS; EPO, JPO; DERWENT; IBM_TDB	OR	ON	2009/12/14 19:05
S35	721485	drum\$5	US-PG-PUB; USPAT; USCOR, FPRS; EPO, JPO; DERWENT; IBM_TDB	OR	ON	2009/12/14 19:06
S36	905803	slip\$5	US-PG-PUB; USPAT; USCOR, FPRS; EPO, JPO; DERWENT; IBM_TDB	OR	ON	2009/12/14 19:06
S37	85980	S35 and S36	US-PG-PUB; USPAT; USCOR, FPRS; EPO, JPO; DERWENT; IBM_TDB	OR	ON	2009/12/14 19:06
S38	843	S28 and S37	US-PG-PUB; USPAT; USCOR, FPRS; EPO, JPO; DERWENT; IBM_TDB	OR	ON	2009/12/14 19:06
S39	1388093	friction\$5	US-PG-PUB; USPAT; USCOR, FPRS; EPO, JPO; DERWENT; IBM_TDB	OR	ON	2009/12/14 19:06

S40	30072	S35 and S36 and S39	US-PG-PUB; USPAT; USCOR; FPPS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/14 19:06
S41	287	S28 and S40	US-PG-PUB; USPAT; USCOR; FPPS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/14 19:06
S42	906586	coefficient\$5	US-PG-PUB; USPAT; USCOR; FPPS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/14 19:08
S43	6102	S35 and S36 and S39 and S42	US-PG-PUB; USPAT; USCOR; FPPS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/14 19:08
S44	111	S28 and S43	US-PG-PUB; USPAT; USCOR; FPPS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/14 19:08
S45	3514020	ratio\$5	US-PG-PUB; USPAT; USCOR; FPPS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/14 19:08
S46	3440	S35 and S36 and S39 and S42 and S45	US-PG-PUB; USPAT; USCOR; FPPS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/14 19:08
S47	57	S28 and S46	US-PG-PUB; USPAT; USCOR; FPPS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/14 19:08
S48	9936	S39 same S42 same S45	US-PG-PUB; USPAT; USCOR; FPPS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/14 19:52
S49	23	S28 and S48	US-PG-PUB; USPAT; USCOR; FPPS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/14 19:52

350	376	S38 same S42 same S45 same S35	US:RPLB; USPAT; USOOR:FPFS; EPO:JPO; DERWENT; IBM_TDB	OR	ON	2009/12/14 19:53
351	2	S28 and S50	US:RPLB; USPAT; USOOR:FPFS; EPO:JPO; DERWENT; IBM_TDB	OR	ON	2009/12/14 19:53
352	64	S38 same S42 same S45 same S35 same S36	US:RPLB; USPAT; USOOR:FPFS; EPO:JPO; DERWENT; IBM_TDB	OR	ON	2009/12/14 19:53
353	1	S28 and S52	US:RPLB; USPAT; USOOR:FPFS; EPO:JPO; DERWENT; IBM_TDB	OR	ON	2009/12/14 19:53
354	7130632	medium\$3 or paper\$3 or film\$3	US:RPLB; USPAT; USOOR:FPFS; EPO:JPO; DERWENT; IBM_TDB	OR	ON	2009/12/14 19:53
355	17	S38 same S42 same S45 same S35 same S36 same S54	US:RPLB; USPAT; USOOR:FPFS; EPO:JPO; DERWENT; IBM_TDB	OR	ON	2009/12/14 19:53
356	1	S28 and S55	US:RPLB; USPAT; USOOR:FPFS; EPO:JPO; DERWENT; IBM_TDB	OR	ON	2009/12/14 19:53
357	2584	S35 and S36 and S39 and S42 and S45 and S54	US:RPLB; USPAT; USOOR:FPFS; EPO:JPO; DERWENT; IBM_TDB	OR	ON	2009/12/14 19:54
358	56	S28 and S57	US:RPLB; USPAT; USOOR:FPFS; EPO:JPO; DERWENT; IBM_TDB	OR	ON	2009/12/14 19:54
359	395	S35 and S36 and (S39 same S42 same S45) and S54	US:RPLB; USPAT; USOOR:FPFS; EPO:JPO; DERWENT; IBM_TDB	OR	ON	2009/12/14 19:54

S60	8	S28 and S69	US-PGPLB; USPAT; USCOR, FPRS; EPO, JPO; DERWENT; IBM_TDB	OR	ON	2009/12/14 19:54
S61	18578	drum\$ and thermal\$ and (carrier\$ or feed\$4) and (detector\$ or detect\$)	US-PGPLB; USPAT; USCOR, FPRS; EPO, JPO; DERWENT; IBM_TDB	OR	ON	2009/12/14 20:04
S62	1394	S28 and S61	US-PGPLB; USPAT; USCOR, FPRS; EPO, JPO; DERWENT; IBM_TDB	OR	ON	2009/12/14 20:04
S63	39797	drum\$ and (thermal\$ or heat\$3) and (carrier\$ or feed\$4) and (detector\$ or detect\$)	US-PGPLB; USPAT; USCOR, FPRS; EPO, JPO; DERWENT; IBM_TDB	OR	ON	2009/12/14 20:05
S64	2844	S28 and S63	US-PGPLB; USPAT; USCOR, FPRS; EPO, JPO; DERWENT; IBM_TDB	OR	ON	2009/12/14 20:05
S65	6120	drum\$ and (thermal\$ or heat\$3) and (carrier\$ or feed\$4) and (detector\$ or detect\$) and (slip\$)	US-PGPLB; USPAT; USCOR, FPRS; EPO, JPO; DERWENT; IBM_TDB	OR	ON	2009/12/14 20:06
S66	326	S28 and S65	US-PGPLB; USPAT; USCOR, FPRS; EPO, JPO; DERWENT; IBM_TDB	OR	ON	2009/12/14 20:06
S67	99	drum\$ and (thermal\$ or heat\$3) and (carrier\$ or feed\$4) and (detector\$ or detect\$) and (slip\$) and (tension\$ same ribbon\$)	US-PGPLB; USPAT; USCOR, FPRS; EPO, JPO; DERWENT; IBM_TDB	OR	ON	2009/12/14 20:21
S68	6	S28 and S67	US-PGPLB; USPAT; USCOR, FPRS; EPO, JPO; DERWENT; IBM_TDB	OR	ON	2009/12/14 20:21
S69	15	drum\$ and (thermal\$ or heat\$3) and (carrier\$ or feed\$4) and (detector\$ or detect\$) and (slip\$) and (tension\$ same ribbon\$) and ((heat\$3 or thermal\$) same (slip\$))	US-PGPLB; USPAT; USCOR, FPRS; EPO, JPO; DERWENT; IBM_TDB	OR	ON	2009/12/14 20:21

570	5	328 and 389	US-PGRLB; USPAT; USOCR, FPFS; EPO, JPO; DERWENT; IBM_TOB	OR	ON	2009/12/14 20:21
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EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
1	5429	(drum\$ and detect\$) dm.	US-PGRLB; USPAT; UPAD	OR	ON	2009/12/15 11:02
2	547	(drum\$ and detect\$ and heat\$) dm.	US-PGRLB; USPAT; UPAD	OR	ON	2009/12/15 11:02
3	90	(drum\$ and detect\$ and heat\$ and thermal\$) dm.	US-PGRLB; USPAT; UPAD	OR	ON	2009/12/15 11:03
4	3	(drum\$ and detect\$ and heat\$ and thermal\$ and slip\$) dm.	US-PGRLB; USPAT; UPAD	OR	ON	2009/12/15 11:03
5	1	(drum\$ and detect\$ and heat\$ and thermal\$ and slip\$ and ribbon\$) dm.	US-PGRLB; USPAT; UPAD	OR	ON	2009/12/15 11:03
6	759	(drum\$ and detect\$ and medium\$) dm.	US-PGRLB; USPAT; UPAD	OR	ON	2009/12/15 11:04
7	145	(drum\$ and detect\$ and medium\$ and distanc\$) dm.	US-PGRLB; USPAT; UPAD	OR	ON	2009/12/15 11:04
8	43	(drum\$ and detect\$ and medium\$ and distanc\$ and adjust\$) dm.	US-PGRLB; USPAT; UPAD	OR	ON	2009/12/15 11:05
9	8	(drum\$ and detect\$ and medium\$ and distanc\$ and adjust\$ and (heat\$ or thermal\$)) dm.	US-PGRLB; USPAT; UPAD	OR	ON	2009/12/15 11:05
10	1	(drum\$ and detect\$ and medium\$ and distanc\$ and adjust\$ and (heat\$ or thermal\$) and slip\$) dm.	US-PGRLB; USPAT; UPAD	OR	ON	2009/12/15 11:05
11	29171	(358/1,1,1,9,1,5,1,2,1,3,1,4,1,6,1,7,1,8,1,12,1,15,1,13,1,14,1,16,1,17,1,18,296,3,29,1,11,407,468,488,490,489) CQLS	US-PGRLB; USPAT; UPAD	OR	OFF	2009/12/15 11:06
12	3105	(399/1,2,299,303,304,305,328,330,331) CQLS	US-PGRLB; USPAT; UPAD	OR	OFF	2009/12/15 11:06
13	4978	(347/171,172,186,191,2,3,5,14,28) CQLS	US-PGRLB; USPAT; UPAD	OR	OFF	2009/12/15 11:07
14	36684	(11 or 12 or 13)	US-PGRLB; USPAT; UPAD	OR	ON	2009/12/15 11:07
15	161	(14 and 1)	US-PGRLB; USPAT; UPAD	OR	ON	2009/12/15 11:08
16	19	(14 and 2)	US-PGRLB; USPAT; UPAD	OR	ON	2009/12/15 11:08
17	8	(14 and 3)	US-PGRLB; USPAT; UPAD	OR	ON	2009/12/15 11:08
18	51	(14 and 6)	US-PGRLB; USPAT; UPAD	OR	ON	2009/12/15 11:08
19	13	(14 and 7)	US-PGRLB; USPAT; UPAD	OR	ON	2009/12/15 11:08
20	2	(14 and 8)	US-PGRLB; USPAT; UPAD	OR	ON	2009/12/15 11:08
21	97	(drum\$ and thermal\$ and carrier\$) dm.	US-PGRLB; USPAT; UPAD	OR	ON	2009/12/15 11:09
22	7	(14 and L21)	US-PGRLB; USPAT; UPAD	OR	ON	2009/12/15 11:09
23	13	(drum\$ and thermal\$ and carrier\$ and friction\$) dm.	US-PGRLB; USPAT; UPAD	OR	ON	2009/12/15 11:10
24	2	(14 and L23)	US-PGRLB; USPAT; UPAD	OR	ON	2009/12/15 11:10
25	1684	(drum\$ and thermal\$) dm.	US-PGRLB; USPAT; UPAD	OR	ON	2009/12/15 11:11
26	73	(14 and L25)	US-PGRLB; USPAT; UPAD	OR	ON	2009/12/15 11:11
27	150	(drum\$ and thermal\$ and ratio\$) dm.	US-PGRLB; USPAT; UPAD	OR	ON	2009/12/15 11:11
28	7	(14 and L27)	US-PGRLB; USPAT; UPAD	OR	ON	2009/12/15 11:11
28	112	(Naoki\$ near9 Yoshida\$) in.	US-PGRLB; USPAT; UPAD	OR	ON	2009/12/15 11:18
39	39	(29\$ and (drum\$))	US-PGRLB; USPAT; UPAD	OR	ON	2009/12/15 11:19
40	7	38 and (drum\$)	US-PGRLB; USPAT; UPAD	OR	ON	2009/12/15 11:19
41	3	38 and (drum\$ and coefficient\$)	US-PGRLB; USPAT; UPAD	OR	ON	2009/12/15 11:20
42	3	38 and (drum\$ and coefficient\$ and friction\$)	US-PGRLB; USPAT; UPAD	OR	ON	2009/12/15 11:21
43	1	38 and (drum\$ and coefficient\$ and friction\$ and slip\$)	US-PGRLB; USPAT; UPAD	OR	ON	2009/12/15 11:21
44	7	38 and ((drum\$) dm.)	US-PGRLB; USPAT; UPAD	OR	ON	2009/12/15 11:23
45	1	38 and ((drum\$ and coefficient\$) dm.)	US-PGRLB; USPAT; UPAD	OR	ON	2009/12/15 11:23
46	7	38 and (drum\$ and detect\$)	US-PGRLB; USPAT; UPAD	OR	ON	2009/12/15 11:24
47	1	38 and (drum\$ and detect\$ and slip\$)	US-PGRLB; USPAT; UPAD	OR	ON	2009/12/15 11:24

S71	97	{drum\$ and therma\$ and carrie\$} .dm.	{US-PGPLB; USPAT; UPAD }OR	{ON	2009/12/14 20:23
S72	13	{drum\$ and therma\$ and carrie\$ and friction\$} .dm.	{US-PGPLB; USPAT; UPAD }OR	{ON	2009/12/14 20:24
S73		{drum\$ and therma\$ and carrie\$ and friction\$ and coefficient\$} .dm.	{US-PGPLB; USPAT; UPAD }OR	{ON	2009/12/14 20:24
S74	1694	{drum\$ and therma\$} .dm.	{US-PGPLB; USPAT; UPAD }OR	{ON	2009/12/14 20:25
S75	150	{drum\$ and therma\$ and ratio\$} .dm.	{US-PGPLB; USPAT; UPAD }OR	{ON	2009/12/14 20:25
S76	5	{drum\$ and therma\$ and ratio\$ and slip\$} .dm.	{US-PGPLB; USPAT; UPAD }OR	{ON	2009/12/14 20:25
S77	2	{drum\$ and therma\$ and ratio\$ and slip\$ and coefficient\$} .dm.	{US-PGPLB; USPAT; UPAD }OR	{ON	2009/12/14 20:26
S78	2	{drum\$ and therma\$ and ratio\$ and slip\$ and coefficient\$ and friction\$} .dm.	{US-PGPLB; USPAT; UPAD }OR	{ON	2009/12/14 20:27
S79	1	{drum\$ and therma\$ and ratio\$ and slip\$ and coefficient\$ and friction\$ and medium\$} .dm.	{US-PGPLB; USPAT; UPAD }OR	{ON	2009/12/14 20:27

12/15/2009 11:27:09 AM

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